

Figure 20. Cross-spectral analysis of the mean annual discharge (red) of the Rio Grande at Presidio, 1930-97, and the Southern Oscillation Index (SOI, blue). Coherency (green) is the tendency for variations observed over a given frequency band in flow to be linearly related to comparable variations observed in SOI. Coherency values above the non-zero level are statistically significant. Tan shading highlights range of frequencies between 4 and 6.5 years.

